### SUPPLEMENTAL TO PERMIT No. 251-79

MWA Company Owosso, Michigan JUL 1 1 1979 GENERAL CONDITIONS

- 1. Applicant shall demonstrate compliance with all Commission rules and with all specific conditions of this permit prior to issuance of the Permit to Operate.
- The restrictions and conditions of this Permit to Install shall apply to any
  person or legal entity which now or shall hereafter own or operate the facilities for which this Permit to Install is issued. The Applicant shall immediately
  notify the Commission of such change in ownership or principal operator status
  of this facility.
- 3. Act No. 53 Applicant shall notify any public utility of any excavation, tunneling and discharging of explosives or demolition of buildings which may affect said utility's facilities in accordance with Act No. 53 of the Public Acts of 1974, being Sections 460.701 to 460.718 of the Michigan Compiled Laws and comply with each of the requirements of that Act.
- 4. Rule 21(4) Trial operation of the equipment is permitted until the Commission acts upon the Permit to Operate.
- 5. Rule 29(2) Not more than 30 days after completion of the installation, the Applicant shall apply, in writing, to the Commission for a Permit to Operate. Completion of the installation is deemed to occur not later than commencement of a trial operation pursuant to Rule 21(4). Written application should be sent to: Chief, Permit Unit, Air Quality Division, Department of Natural Resources, P.O. Box 30028, Lansing, Michigan 48909.
- 6. Rule 29(3b) Operation of this facility shall not interfere with the attainment or maintenance of the air quality standard for any air contaminant.
- Rule 29(3d) Operation of this facility shall not result in substantial deterioration of air quality.
- Rule 46 Operation of this facility shall not result in the emission of an air contaminant which causes or will cause detriment to the safety, health, welfare or comfort of any person or which causes or will cause damage to property or business.
- 9. Rule 21 Applicant shall not reconstruct, alter, modify, expand or relocate this facility unless plans, specifications and an application for a Permit to Install are submitted to and approved by the Commission.
- 10. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
- 11. Notification of any malfunction of process or control equipment resulting in emissions in violation of the Commission rules or of any permit conditions should be made to the District Engineer. Such notice should be made as soon as possible but not later than 9:00 A.M. of the next working day. The notice shall include a program of corrective action and shall be confirmed in writing.

EPA Region 5 Records Ctr.

MWA Company Permit No. 251-79 Page 2

### SPECIAL CONDITIONS

- 12. Rule 44 The particulate emission rate from the automatic belt grinder shall not exceed 0.1 pounds per 1,000 pounds of exhaust gases, calculated on a dry gas basis.
- 13. Visible emissions are limited to an opacity of less than or equal to 20% except as specified in Rule 336.41.
- 14. Rules 51, 52 & 54 Verification of particulate emission rates by testing, at owner's expense, in accordance with Commission requirements may be required for operating approval. If a test is required, stack testing procedures and the location of stack testing ports must be approved, in writing, by the Commission or its authorized representative.

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## AIR QUALITY DIVISION MICHIGAN DEPARTMENT OF NATURAL RESOURCES P.O. BOX 30028, LANSING, MICHIGAN 48909

APPLICATION NO 249-79

### APPLICATION TO THE AIR POLLUTION CONTROL COMMISSION

for authority to construct, install or alter

Air Pollution Control

and

APR 2 4 1979

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for permit to operate process,	fuel hursing	refuse hurning	and/or air	noitution	control	tnemaiupe
for permit to operate process,	icer borning,	initial boiling	G110/ C1 C11	<b>PO11011011</b>	•••••	- <b>4</b> - · <b>p</b> ·····

1	PERMIT TO BE ISSUED TO: (Business License Name of Corporation, Partnership,	Individual Owner, Gover	nmental Agency)	
	MWA Company - Mid-West Abasive Division			
2 1	MAILING ADDRESS: (Number, Street, Cuy or Village, Zip Code) 510 S. Washington St., Owosso, Michigan 4	8867		
3.	EQUIPMENT OR PROCESS LOCATION: (Number, Street, City or Village, Township	, Zip Code)		
	510 S. Washington St., Owosso, Michigan 4	8967		
4	TYPE OF ORGANIZATION Partnership	_ Individual	Owner Gevernmental Ag	ency
5.	GENERAL NATURE OF BUSINESS.			
	Manufacturer of coated & solid abrasives	<u> </u>		
€.	EQUIPMENT DESCRIPTION: Application is hereby made for permission to cor	nstruct, install or alto	r and to operate the following equip	ment
	Dust collector for #8 & #9 automatic be Model #20T31-D1. Tube (bag) type, vent hour shifts, five days per week. Estim	ed outside.	Used two eight	
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	Air Fellution Control Equipment	Total Projec	· · ·	
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9	() Construction or installation not started	Estimated Starting Date  PERMIT NUMBER, IF (Permit III)  (Title) Plant (Date) 4/19/7	Estimated Completion Date  ANY:  Number:  Phone No.517/725~7	161
, OMEY	Air Foliation Control Equipment  PRESENT STATUS OF EQUIPMENT: (Check and complete applicable isems)  ( ) Construction or installation not started	Estimated Starting Date  PERMIT NUMBER, IF (Permit III)  (Title) Plant (Date) 4/19/7	Estimated Completion Date  ANY: S Number)	161
9	() Construction or installation not started.  () Construction or installation not started.  () Construction or installation partly completed.  () Construction completed. & J.N. USO.  () Equipment is to be altered.  () Equipment is partly altered.  () Equipment has been altered.  () Change of location and/or ownership.  NAME OF PRIOR OWNER AS IN (1) ABOVE, AND PRIOR AIR POLLUTION CONTROL (Name)  TYPE OR PRINT NAME AND TITLE OF OWNER OR AUTHORIZED MEMBER OF FIRE (Name).  Harold Schonbers  (Signature) Association of APPLICATION:  **Subject to compliance with all 197	Estimated Starting Date  PERMIT NUMBER, IF (Permit III)  (Title) Plant (Date) 4/19/7	Estimated Completion Date  ANY:  Number:  Phone No.517/725~7	161

### AIR QUALITY DIVISION MICHIGAN DEPARTMENT OF NATURAL RESOURCES P.O. BOX 30028, LANSING, MICHIGAN 48909

APPLICATION NO 250-79

### PPLICATION TO THE AIR POLLUTION CONTROL COMMISSION

for authority to construct, install or alter

stipulated in the attached supplement.

and

Air Pollution Control

APR 2 4 1979

for permit to operate process, fuel burning, refuse burning and/or air pollution control equipment PERMIT TO BE ISSUED TO: (Business License Name of Corporation, Parinership, Individual Owner, Governmental Agency) MWA Company - Mid-West Abrasive Division 2. MAILING ADDRESS: (Number, Street, Cuty or Village, Zip Code) 510 S. Washington St., Owosso, Michigan 48867 1 EQUIPMENT ON PROCESS LOCATION: (Number, Street, City or Village, Township, Zip Code) 510 S. Washington St., Owosso, Michigan 48867 TYPE OF ORGANIZATION. Individual Owner Partnership Gevernmental Agency Corporation S. GENERAL NATURE OF BUSINESS. Manufacturer of coated & solid abrasives S EQUIPMENT DESCRIPTION: Application is hereby made for permission to construct, install or alter and to operate the following equipment Dust collector for three top skive & feather grinders. Aget "Dustkop", Model #20030, bag type, vented to interior of building. Used two eight hour shifts per day, five days per week. Estimated at 95% efficiency. ESTIMATED COST: Air Pallution Control Equipment & Total Project & (Check and complete applicable items). PRESENT STATUS OF EQUIPMENT: Estimated Estimated Starting Date Completion Date ( ) Construction or installation not started . . . . . . ( ) Construction or installation partly completed . . . ( ) Equipment is to be offered ........ ( ) Equipment is partly altered . . . . . ( ) Equipment has been altered... ( ) Change of location and/or ownership. . . . . . . . NAME OF PRIOR OWNER AS IN (1) ABOVE, AND PRIOR AIR POLLUTION CONTROL PERMIT NUMBER, IF AMY (Permit Number) 10 TYPE OR PRINT NAME AND TITLE OF OWNER OR AUTHORIZED MEMBER OF FIRM: (News) Harold Schonberg (Tule) Plant Engineer (Phone No.)517/725-71 (Signerwe) There Co (Date) 4/19/79 11 DISPOSITION OF APPLICATION: Welbert Rector Subject to compliance with air JUL 1 1 1979 8 Permit to instell approved and issued on Commission Rules and conditions Permit to operate approved and issued

FORM AP-1 1M 6/73

### AIR QUALITY DIVISION

MICHIGAN DEPARTMENT OF NATURAL RESOURCES P.O. BOX 30028, LANSING, MICHIGAN 48909

APPLICATION NO

Air Pollution Control

APR 2 4 1979

(Instructions for completing this form are on reverse side)

### APPLICATION TO THE AIR POLLUTION CONTROL COMMISSION

for authority to construct, install or alter

and

for permit to operate process, fuel burning, refuse burning and/or air pollution control equipment

PERMIT TO BE ISSUED TO: (Business License Name of Corporation, Pariner		ernmental Agency)	
MWA Company - Mid-West Abrasive Divisi	on		
MAILING ADDRESS: (Number, Street, City or Village, Zip Code)		•	
510 S. Washington St., Owosso, Michiga	n 48867		
EQUIPMENT OR PROCESS LOCATION. (Number, Street, City or Village, Tou			
510 S. Washington St., Owosso, Michiga	n 48867		
TYPE OF ORGANIZATION			
	ndividual	Owner Gevernme	entel Age
GENERAL NATURE OF BUSINESS.	<del></del>	<del></del>	
Manufacturer of coated and solid abras	ives		
EQUIPMENT DESCRIPTION: Application is hereby made for permission to	e construct, install or all	ter and to operate the following	ne equipe
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Dust collector for #10 Automatic Belt	Frinder.		
Hammond "Duskollector", Model #DK-655C	. Bag type, v	mented to interior	or of
building. Used two eight hour shifts,	five days per	week. Estimate	ed at
95% efficiency.			
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### Construction or installation not started  () Construction or installation not started  () Construction or installation partly completed  () Construction completed & In USO.  () Equipment is to be altered  () Equipment is portly altered  () Equipment has been altered  () Change of location and/or ownership.  **HAME OF PRIOR OWNER AS IN (1) ABOVE, AND PRIOR AIR POLLUTION CON (Name)  TYPE OR PRINT HAME AND TITLE OF OWNER OR AUTHORIZED MEMBER OF (Signature) And Schonberg  (Si	TROL PERMIT NUMBER, I  (Pen  (Pane) 1/19/	F ANY:  Mi Number)	25-7
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# AIR QUALITY DIVISION MICHIGAN DEPARTMENT OF NATURAL RESOURCES P.O. BOX 30028, LANSING, MICHIGAN 48909

APPLICATION NO 252-79

Air Pollution Control

### APPLICATION TO THE AIR POLLUTION CONTROL COMMISSION

for authority to construct, install or alter

APR 2 4 1979

(Instructions for completing this form are on reverse side)

and

for permit to operate process, fuel burning, refuse burning and/or air pollution control equipment

to permit to operate process, tool sommer, tools		
PERMIT TO BE ISSUED TO: (Business License Name of Corporation, Partner	chip, Individual Owner, Gover	nmensul Agency)
MWA Company - Mid-West Abrasive Divisi	on	
MAIL ING ADDRESS: (Number, Street, City or Village, Zip Code)		
510 S. Washington St., Owosso, Michiga		
EQUIPMENT OR PROCESS LOCATION: (Number, Street, City or Village, Tou		
510 S. Washington St., Owosso, Michiga	n 48867	
TYPE OF ORGANIZATION. Corporation Partnershi	p   Individual (	Owner Governmentel A
Manufacturer of coated & solid abrasi	ves	
EQUIPMENT DESCRIPTION: Application is hereby made for permission	te construct, install or alte	r and to operate the following equi
Dust collector for #11 automatic belt Model #DK-655C. Bag type, vented to eight hour shifts, five days per week	interior of but	ilding. Used two
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ESTIMATED COST: Air Pollution Control Equipment \$	Total Prejec	., .
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() Construction or installation not started	Estimated Starting Data  Starting Data  ITROL PERMIT NUMBER. IF  (Permit FFIRM:  (Tule) Plant  (Data) 4/19/	Estimated Completion Date  ANY:  ANY:  Engineer  79 (Phone No.) 517/725-

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### AIR QUALITY DIVISION MICHIGAN DEPARTMENT OF NATURAL RESOURCES P.O. BOX 30028, LANSING, MICHIGAN 48909

APPLICATION NO

APR 24 1979

### APPLICATION TO THE AIR POLLUTION CONTROL COMMISSION

for authority to construct, install or alter

and

hir Pollution Control

,	for permit to operate process, fuel burning, refuse burning and/or air pollution control equipment
٠,١.	PERMIT TO BE ISSUED TO: (Business License Name of Corporation, Partnership, Individual Owner, Governmental Agency)
, 	MWA Company, Mid-West Abrasive Division
2.	MAILING ADDRESS: (Number, Street, Cuy or Village, Zip Code) 510 S. Washington St., Owosso, Michigan 48867
-	EQUIPMENT OR PROCESS LOCATION: (Number, Street, City or Village, Township, Zip Code)
	510 S. Washington St., Owosso, Michigan 48867
L	TYPE OF ORGANIZATION.  Corporation Partnership Individual Owner Gevernmental Agency
8.	GENERAL NATURE OF BUSINESS.
	Manufacturer of coated and solid abrasives
•	EQUIPMENT DESCRIPTION: Application is hereby made for permission to construct, install or alter and to operate the following equipment
	Replacement. Aget: "Dustkop", Model #20T31-D1. Tube (bag) type, vented outside. Use two eight hour shifts, five days per week. Estimated at 95% efficiency. Serves several belt grinders in Small Belt area
i .	
	;
7	ESTIMATED COST: Air Pollution Control Equipment \$ Total Project \$
-	PRESENT STATUS OF EQUIPMENT: (Check and complete applicable items)  Estimated  Starting Date  Completion Date
	( ) Construction or installation not started
	( ) Construction or installation partly completed
1	( ) Equipment is to be altered
	( ) Equipment is partly altered
ļ	( ) Change of location and/or ownership
9	NAME OF PRIOR OWNER AS IN (1) ABOVE, AND PRIOR AIR POLLUTION CONTROL PERMIT NUMBER, IF ANY:
<u> </u>	(Name) (Permit Number)
10	TYPE OR PRINT HAME AND TITLE OF OWNER OR AUTHORIZED MEMBER OF FIRM:
	(Neme) Harold Schonberg (Tule) Plant Engineer
	(Signature) 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	an"
	11. DISPOSITION OF APPLICATION: 10.256
>	
< =	Subject to compliance with allow JUL 1 1 1979 In Mark Ports
TIDITA USE ONLY	Permit to install approved and issued on Commission Rules and Spreadings

#### AIR POLLUTION CONTROL COMMISSION

### AIR QUALITY DIVISION MICHIGAN DEPARTMENT OF NATURAL RESOURCES

### APPLICATION INSTRUCTIONS

Submit this form in triplicate; complete application requires specifications and drawings in duplicate. An application is required for basic processing equipment as well as air pollution control equipment. Basic equipment includes any article, machine, equipment or other contrivance, the use of which may cause the issuance of air contaminants. Air pollution control equipment includes any article, machine, equipment or other contrivance, the use of which may eliminate or reduce or control the issuance of air contaminants. One application will suffice for an interrelated process. This application must be signed by the owner or authorized member of firm. Please attach the following:

- 1. Equipment Location Drawings Submit drawings showing:
  - a. Plan view of owner's property to boundary lines; include outline and height of all structures.
  - b. Locate and identify proposed equipment on property line.
  - c. Locate and identify all adjacent properties and all structures within 150 feet of proposed equipment showing outlines and heights.
  - d. Indicate north direction on drawing.
- 2. Equipment Specification State make, model, size and type, etc. of proposed equipment and all major accessory equipment.
- 3. Process or Use Specification Attach a complete written description of each process covered by this permit application. Explain clearly and in detail each process stage by including the nature, quantity, concentration, particle size, pressure, temperature, etc. of materials which may be discharged to the atmosphere. Prove sufficient control method detail to show the extent and efficiency of air pollution control devices.
- 4. Operating Schedule Specify proposed equipment operating time in hours per day and days per week.
- 5. Process Weight Detail type and feed rate in pounds per hour or similar measure for each process material charged.
- 6. Fuels and Firing Devices Indicate for gaseous fuels: type and cubic feet per hour, for fuel oil: grade and gallons per hour, sulfur content, and specify temperature to which oil is preheated; for solid fuels: type, ultimate analysis and pounds per hour, indicate for firing device: make, model, size, type, number of devices and capacity range of each device (from minimum to maximum).
- 7. Flow Diagram For continuous processes, show the flow materials either on a separate flow diagram or on the drawings accompanying the application.
- 8. Drawings or Equipment Supply an assembly drawing, dimensioned to scale, in plan, elevation and as many sections as are needed to show, clearly, equipment design and operation and the means for controlling air contaminants. Structural design calculations and details are not required. When installing standard commercial equipment, the manufacturer's scale describing the equipment may be submitted in lieu of the parts of Item 8 that it covers. The following must be shown:
  - a. Size and shape of the equipment; exterior and interior dimensions and features and materials of construction.
  - b. Locations, sizes and shape details of materials handling equipment and all features which may affect the production, collection, conveying or control of air contaminants.
  - c. Horsepower rating of driving motors.
  - d. Additional information may be required.
  - e. Indicate where in the system provision is made for source testing.
- 9. A permit application should pertain to an individual unit of equipment or to an operation or to a series of related operations within a process which are scheduled for simultaneous installation or alteration.

After authority to construct, install or alter is granted for any equipment, deviations from the approved plans and application information required are not permissible without first securing written approval.

Further information or clarification concerning permits can be obtained from the A1r Quality Division Phone: (517)322-1333, (Lansing) Michigan Department of Natural Resources, P.O. Box 30028

Lansing, Michigan 48909